



FEMA



Prepared by
Todd Beal

FEMA Region 6 Weather Threat Briefing

Friday October 29, 2021

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.



NWSSouthern

www.weather.gov/srh



- **Elevated fire weather conditions today across TX and W OK.**
- **Minor river flooding continues in S LA.**

FEMA Region 6 Threat Matrix

Oct 29, 2021 - Nov 2, 2021



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DAY / THREAT	Fri	Sat	Sun	Mon	Tue
Severe Storms					
Heavy Rain / Flash Flooding					
Fire Weather	TX,W OK				
Tropical Winds / Surge					
Winter Weather					
River Flooding	S LA	S LA			

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

For more details on the colors in the threat matrix refer to the last slide in this briefing.

Tropical Weather Outlook – Atlantic/Gulf



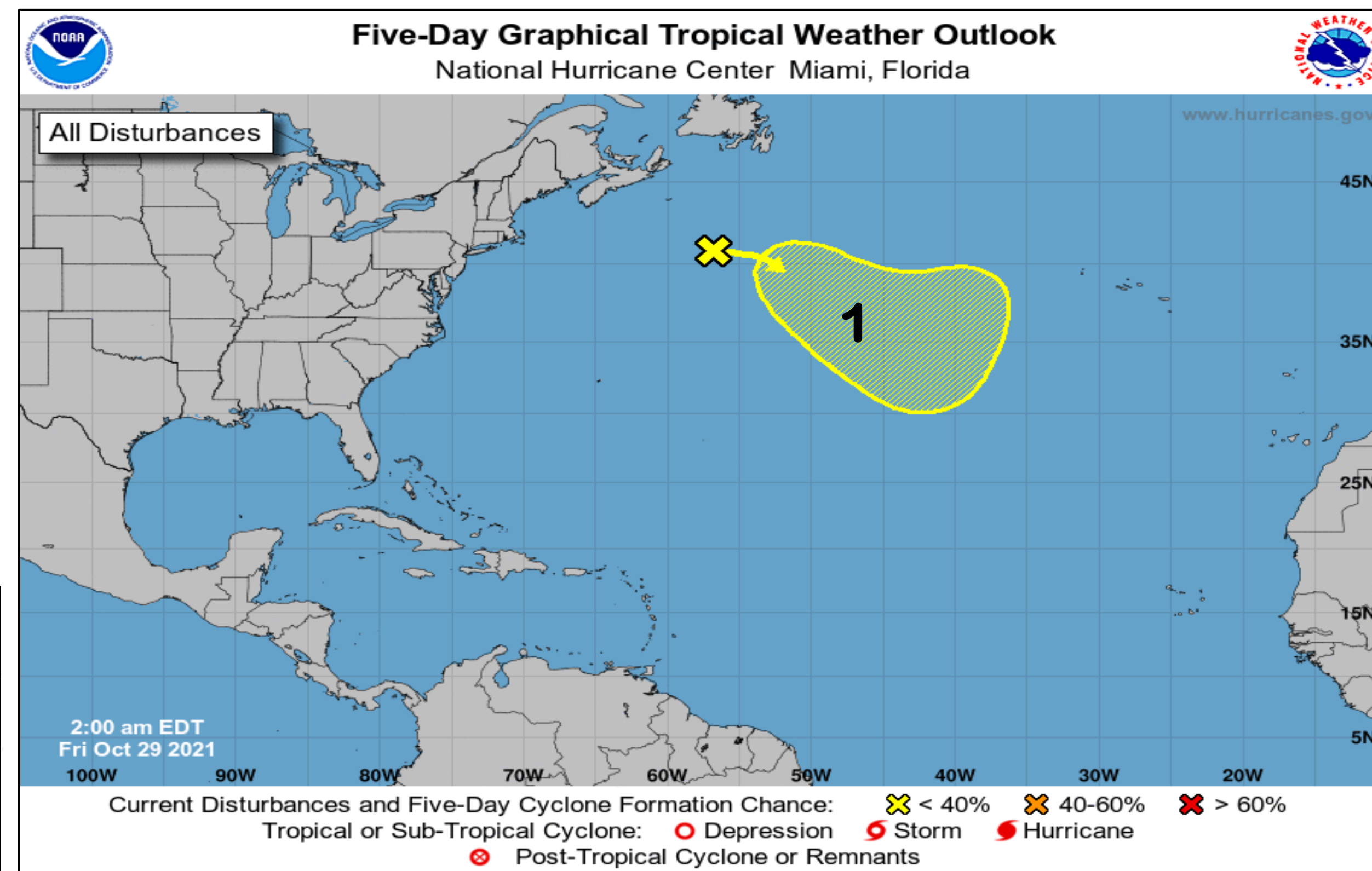
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Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Low	None.

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
-	

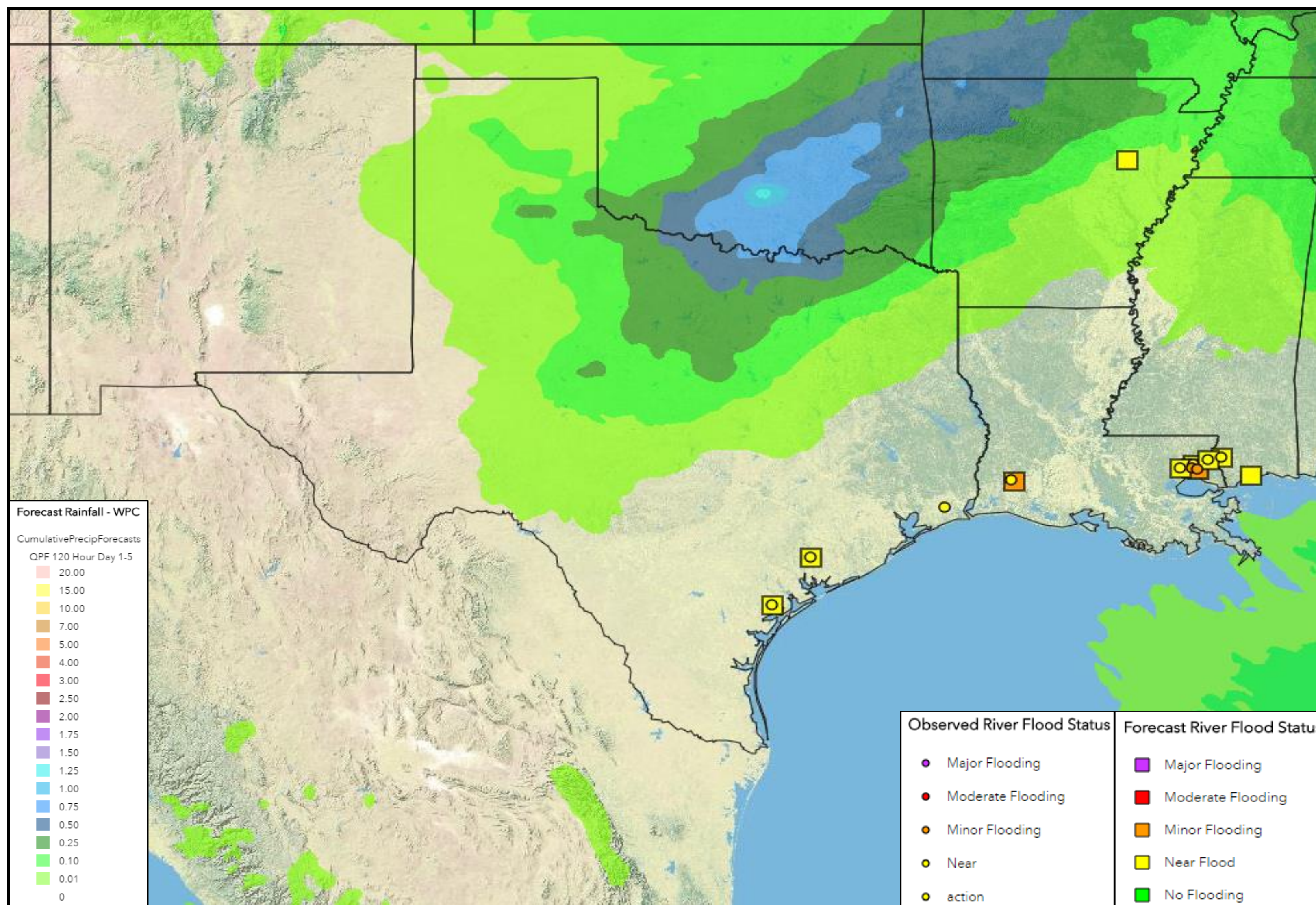


5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



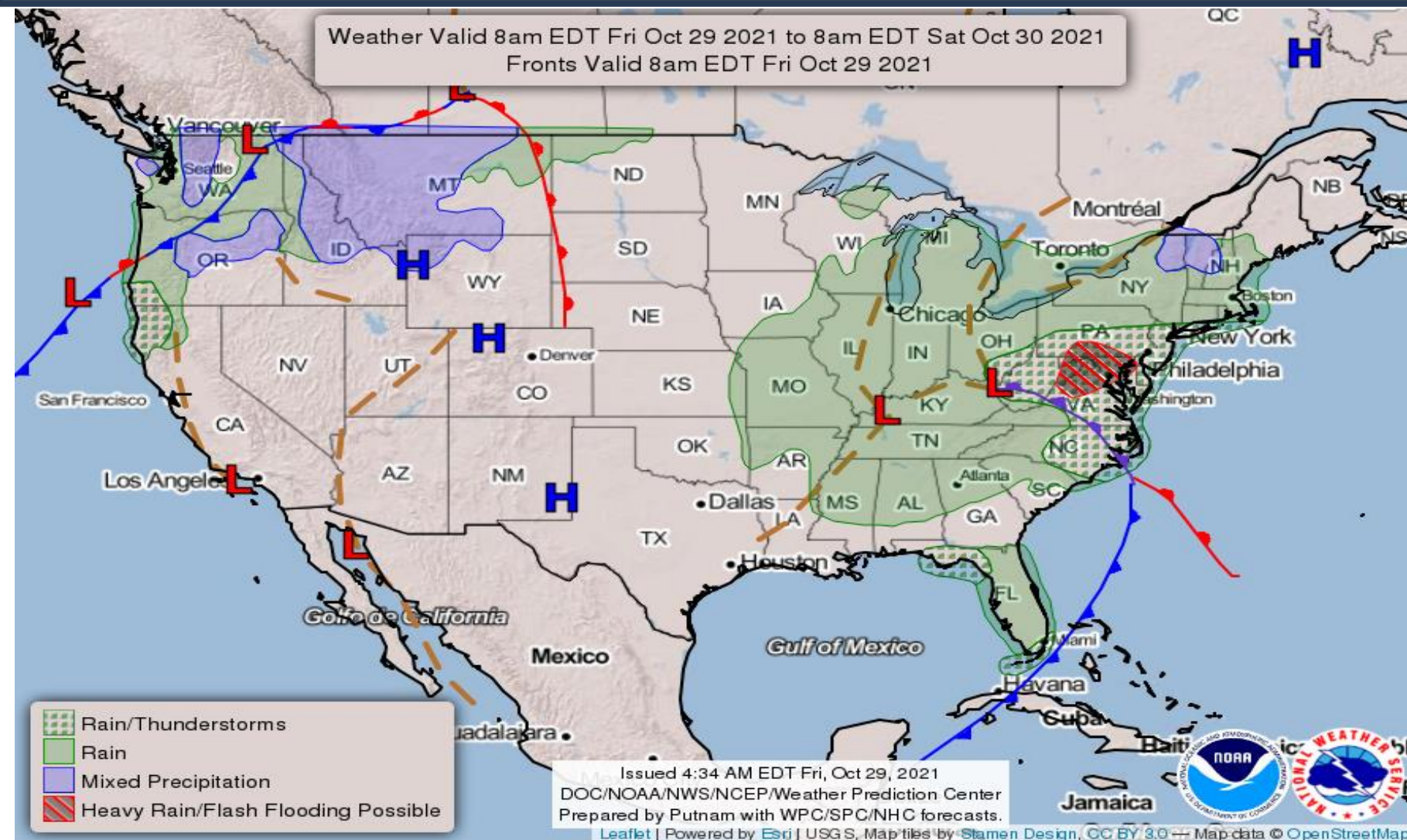
The Bogue Falaya River near Boston Street in SE LA is in minor flood. Bogue Falaya River Park will flood. Some ground floor classrooms at Christ Episcopal School grounds will flood.

The Tchefuncte River near Covington is in minor flood. Impacts include flooding of campgrounds.

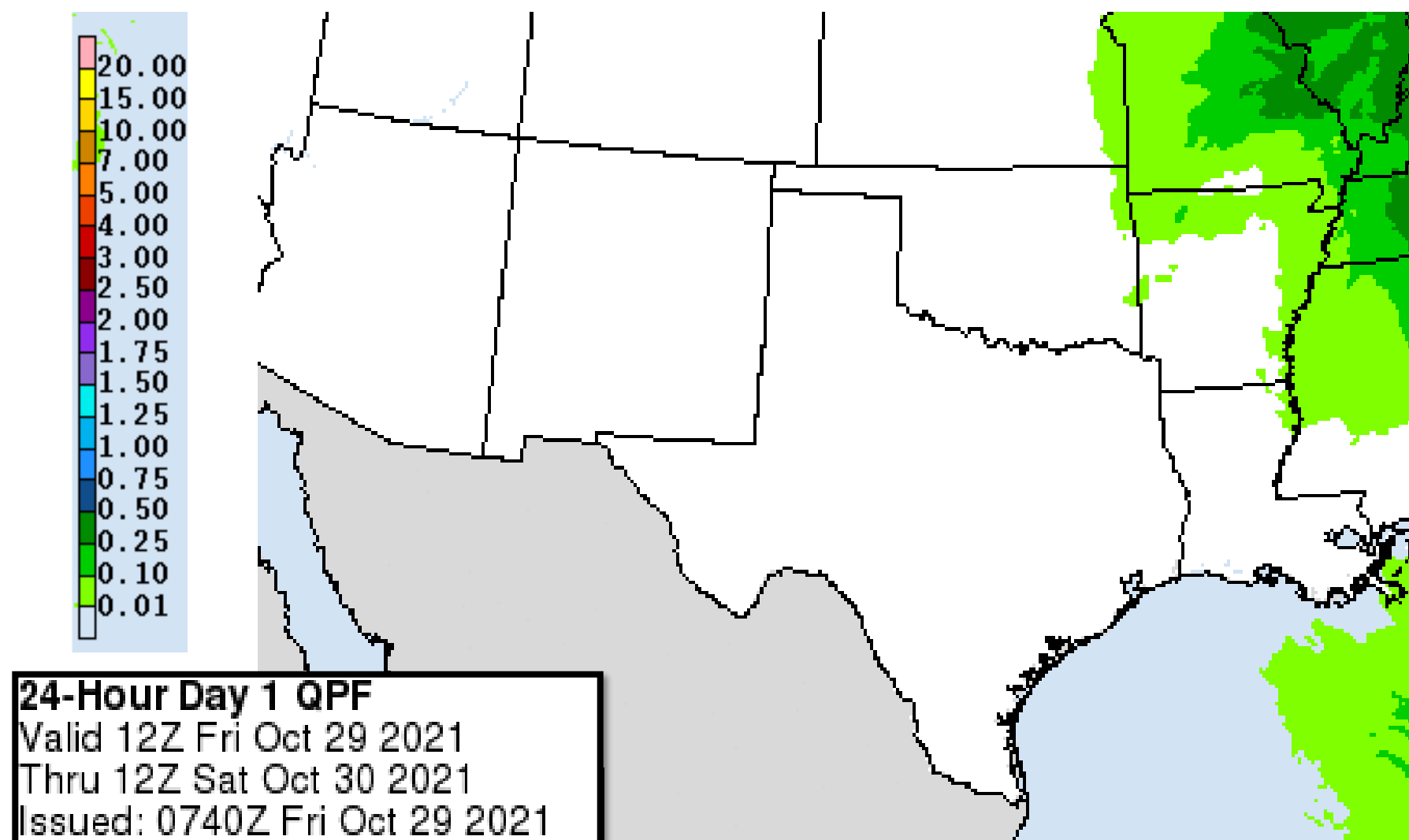
The Calcasieu River at White Oak Park in SW LA may be at or near minor river flooding at times over the next few days. No significant impacts.

Today's Weather

Forecast Chart



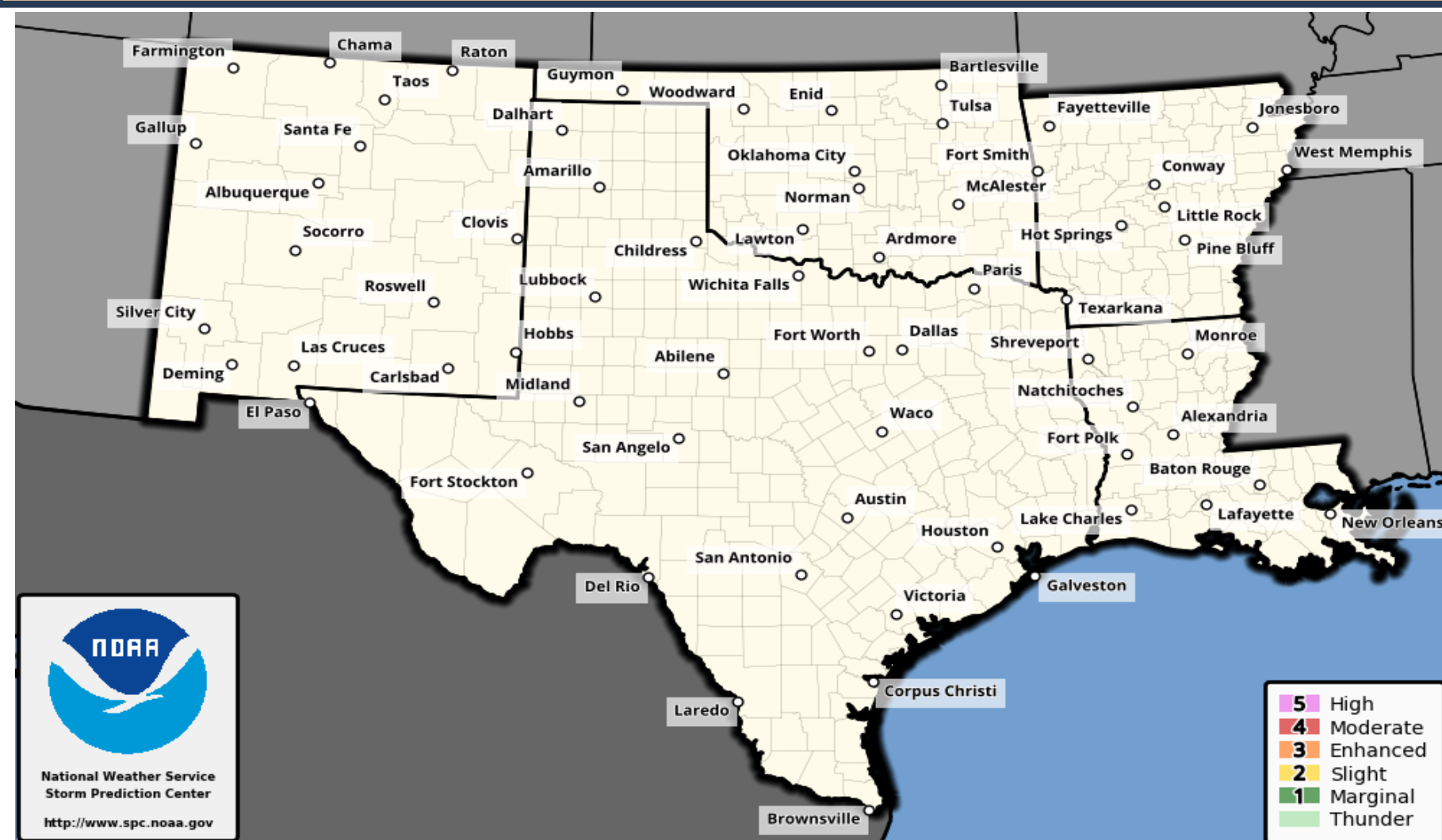
Forecast Rainfall



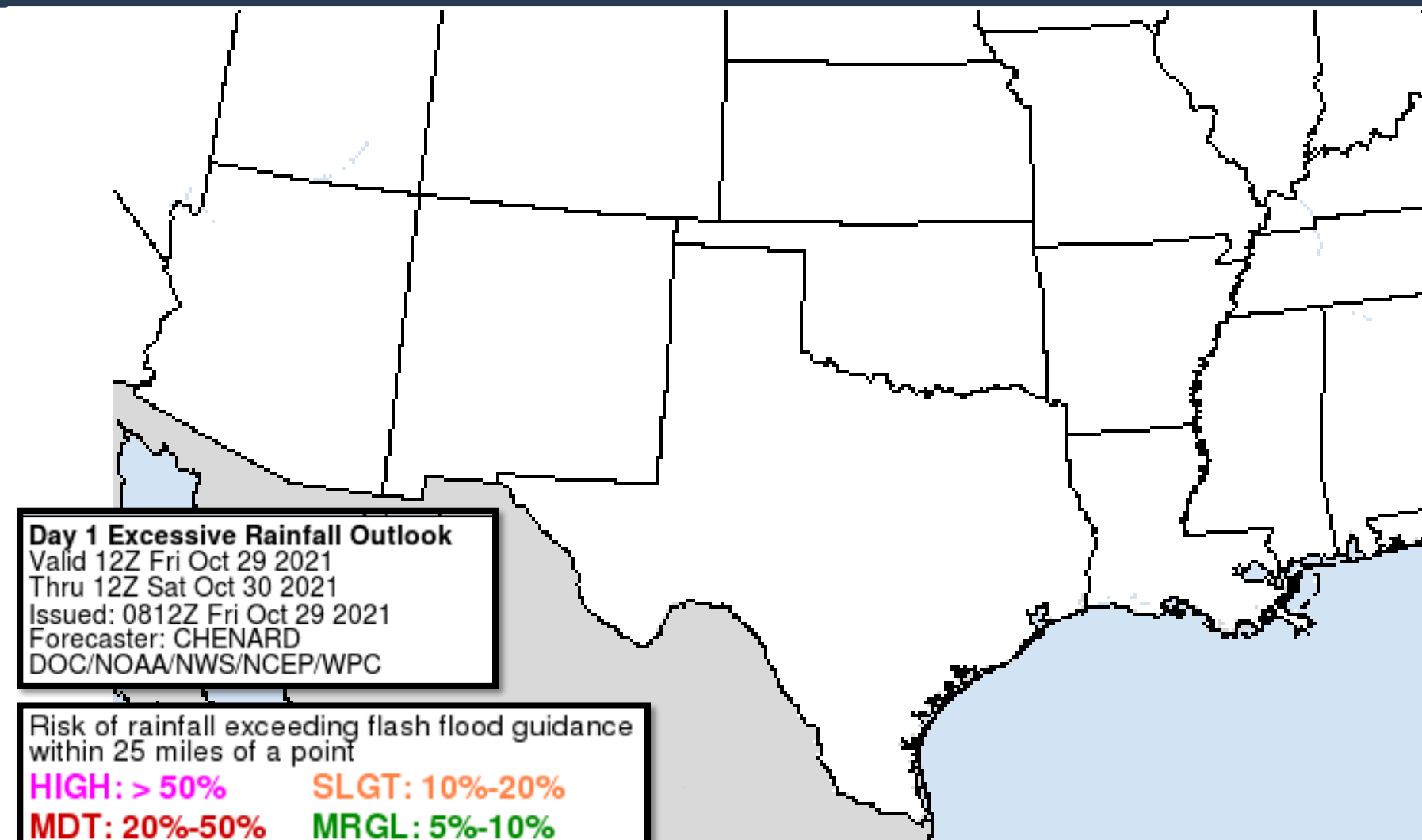
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No significant weather
expected.

Severe Weather Outlook



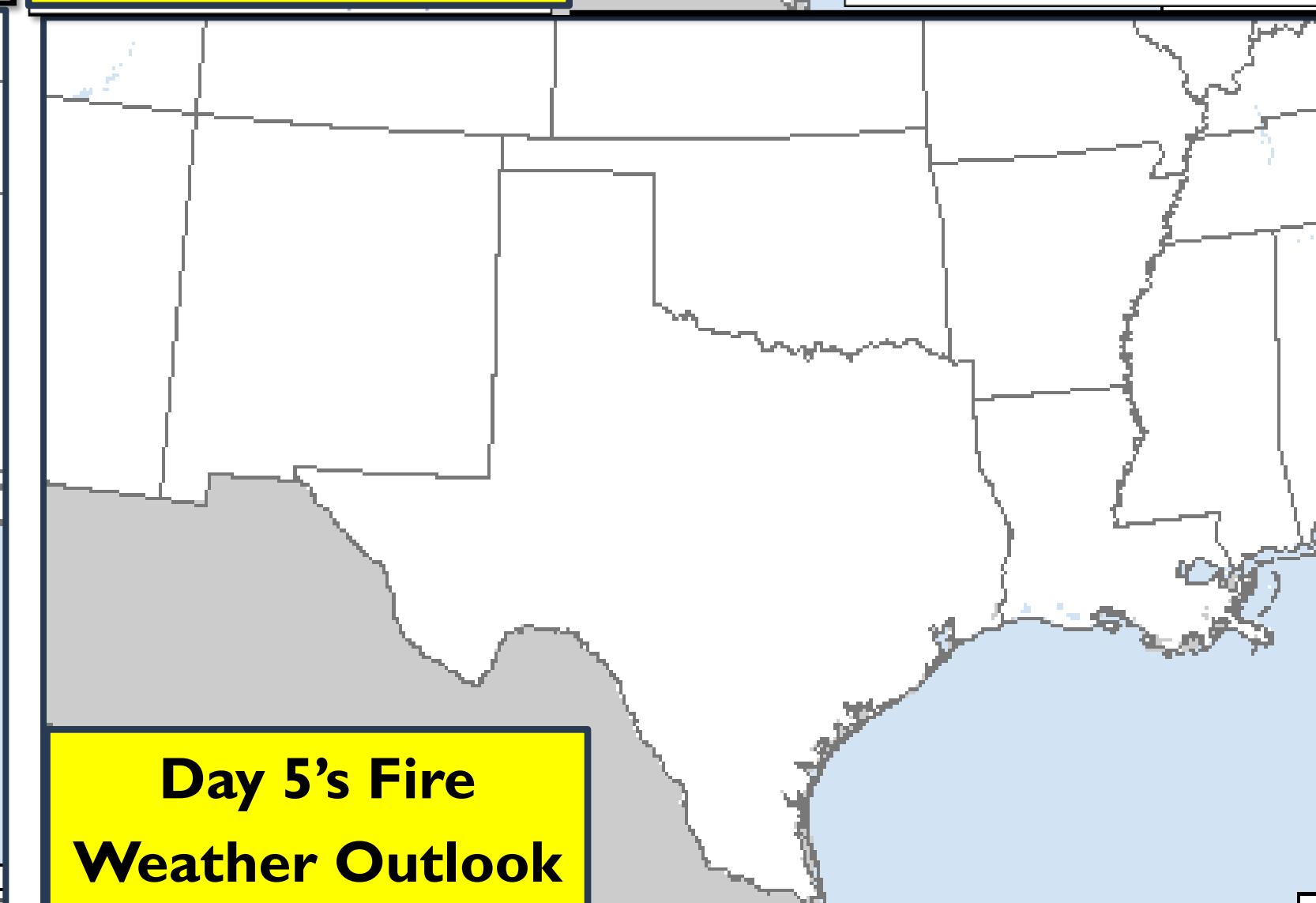
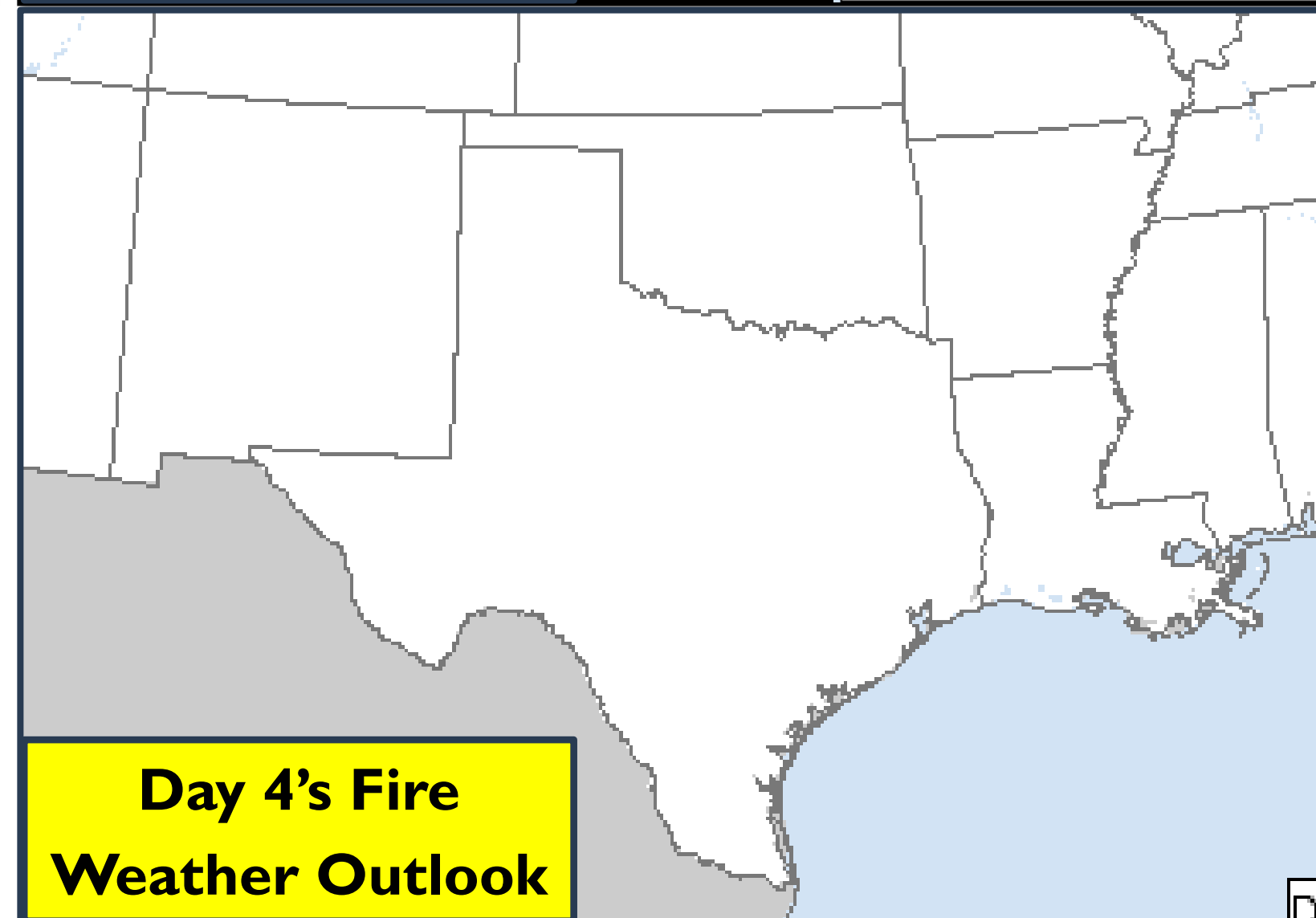
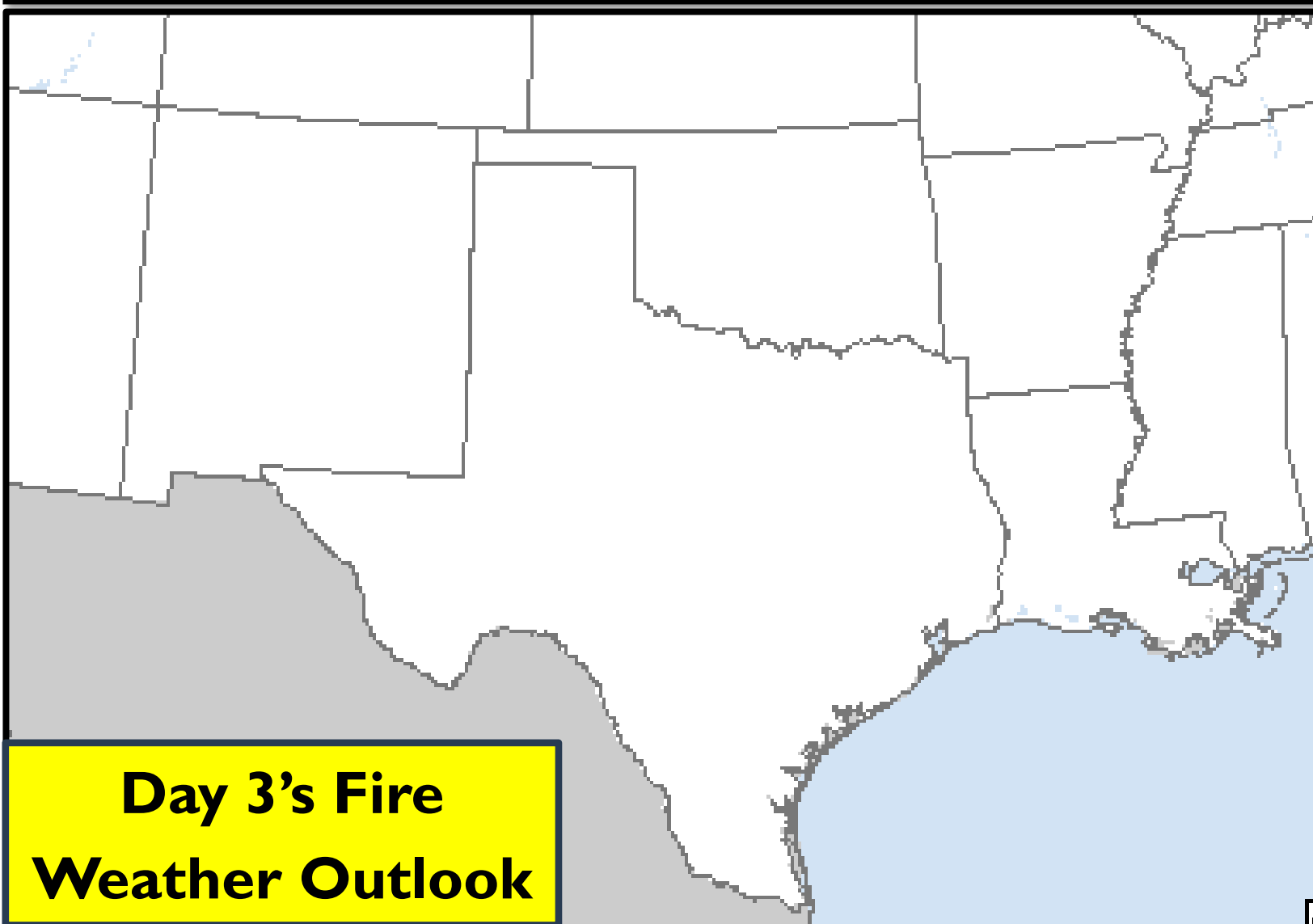
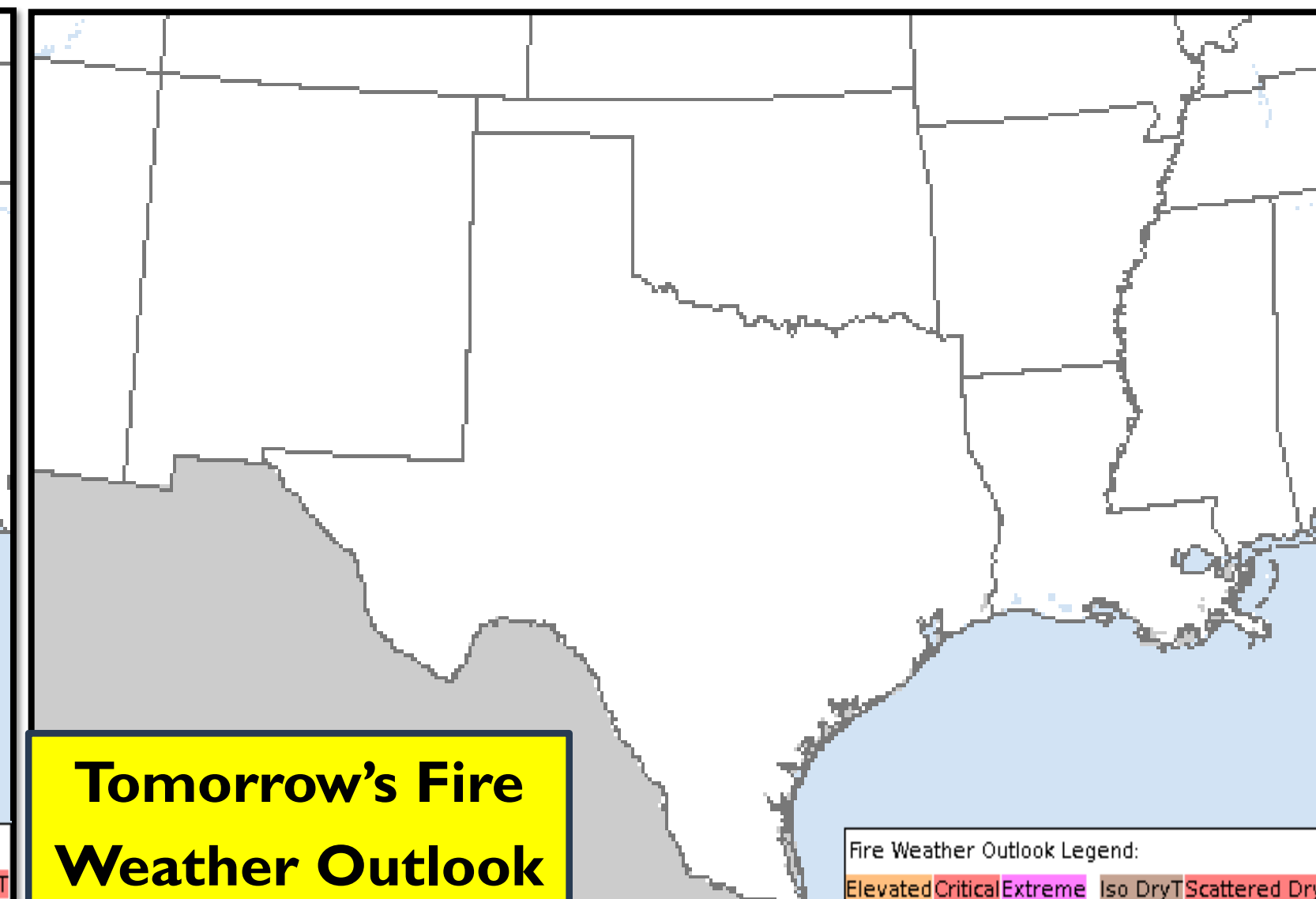
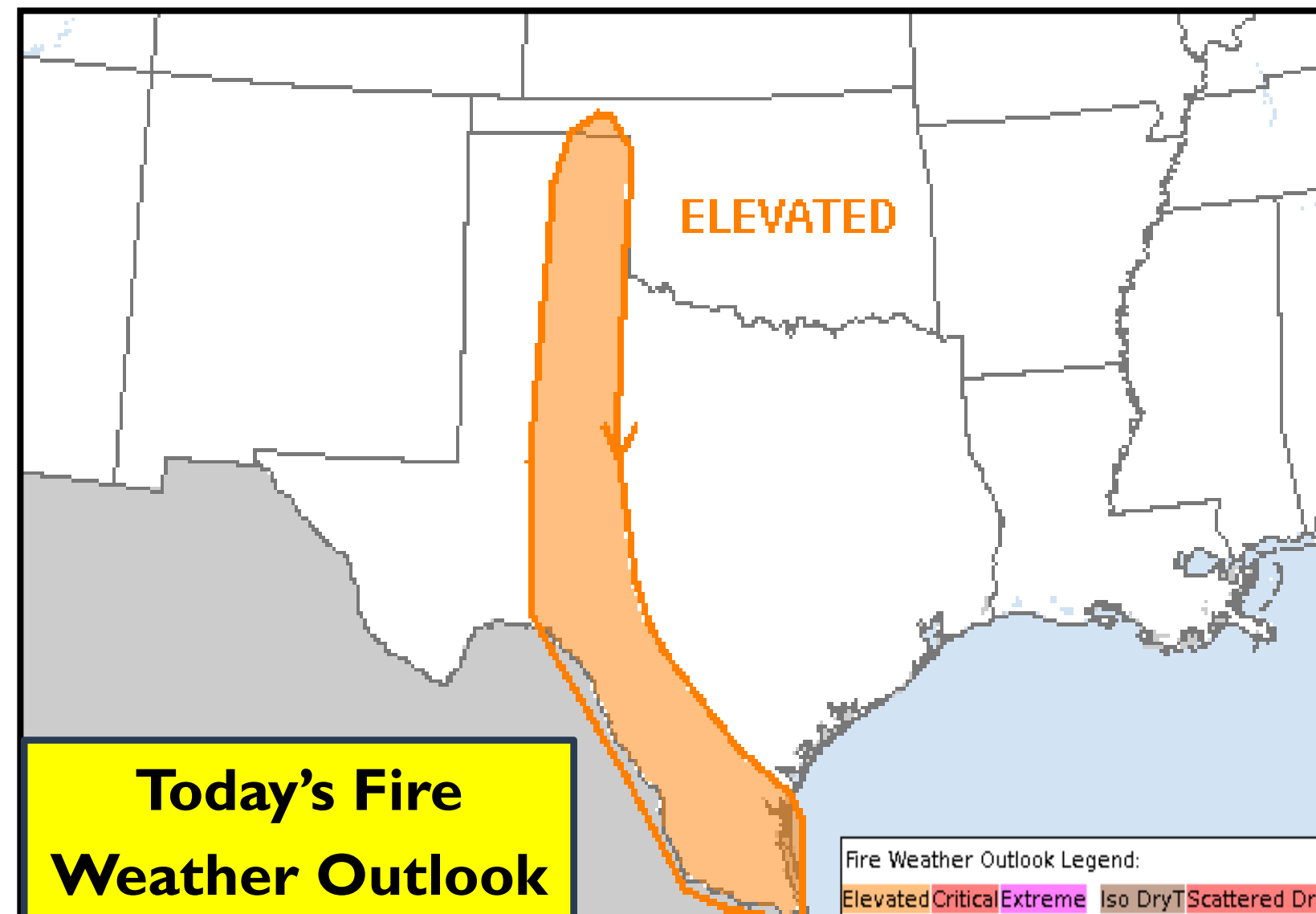
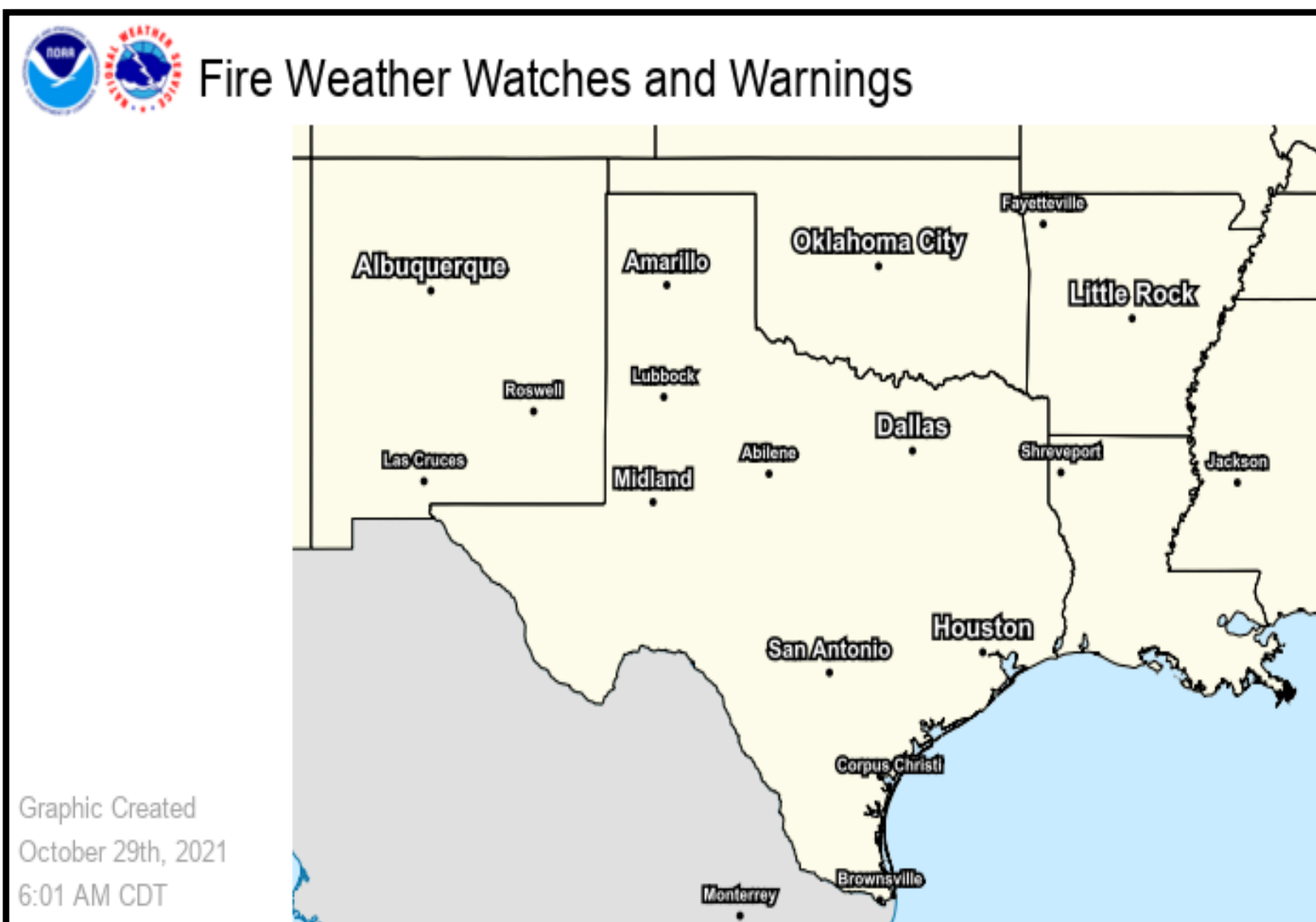
Excessive Rainfall Outlook



Fire Weather Outlooks



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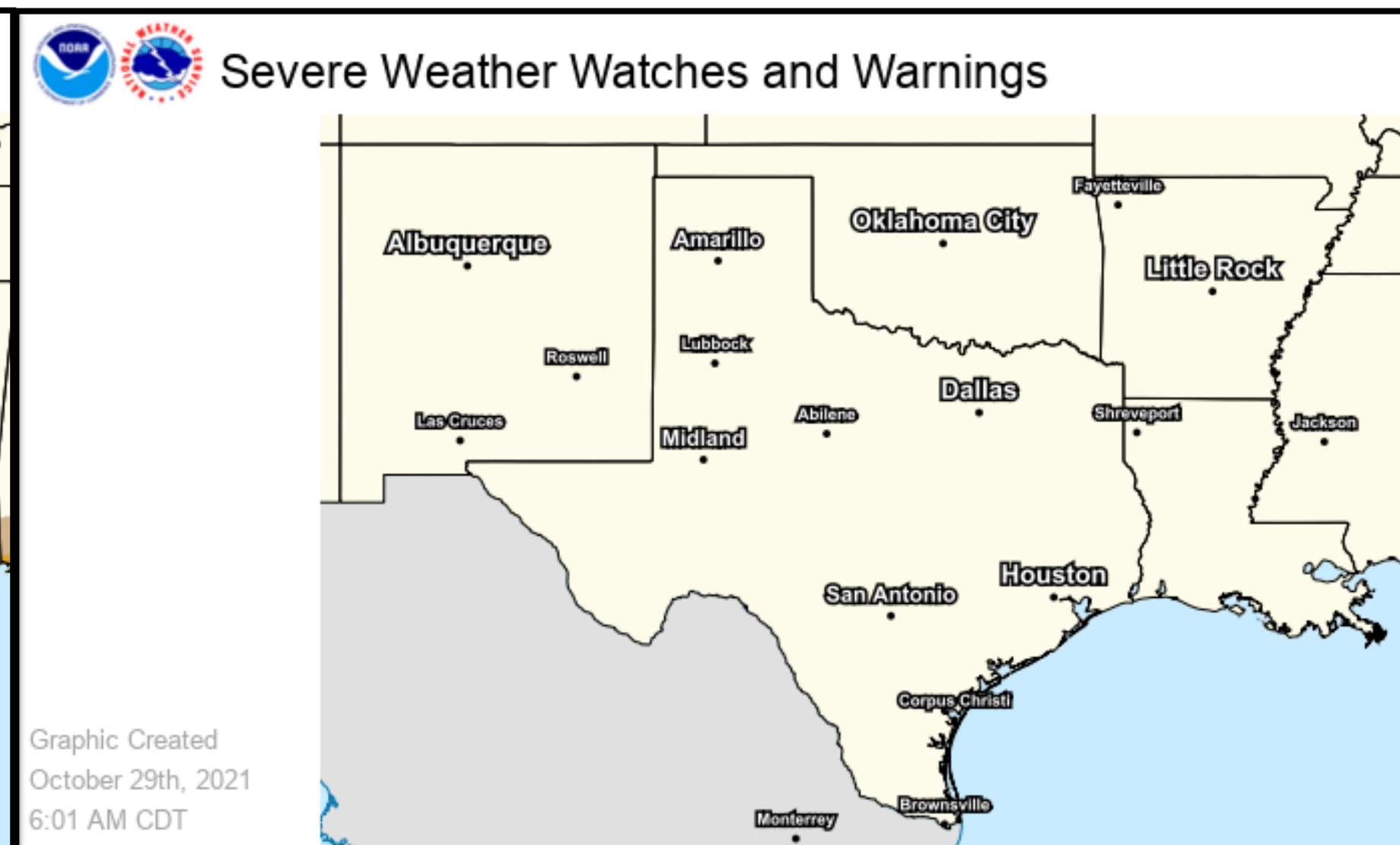
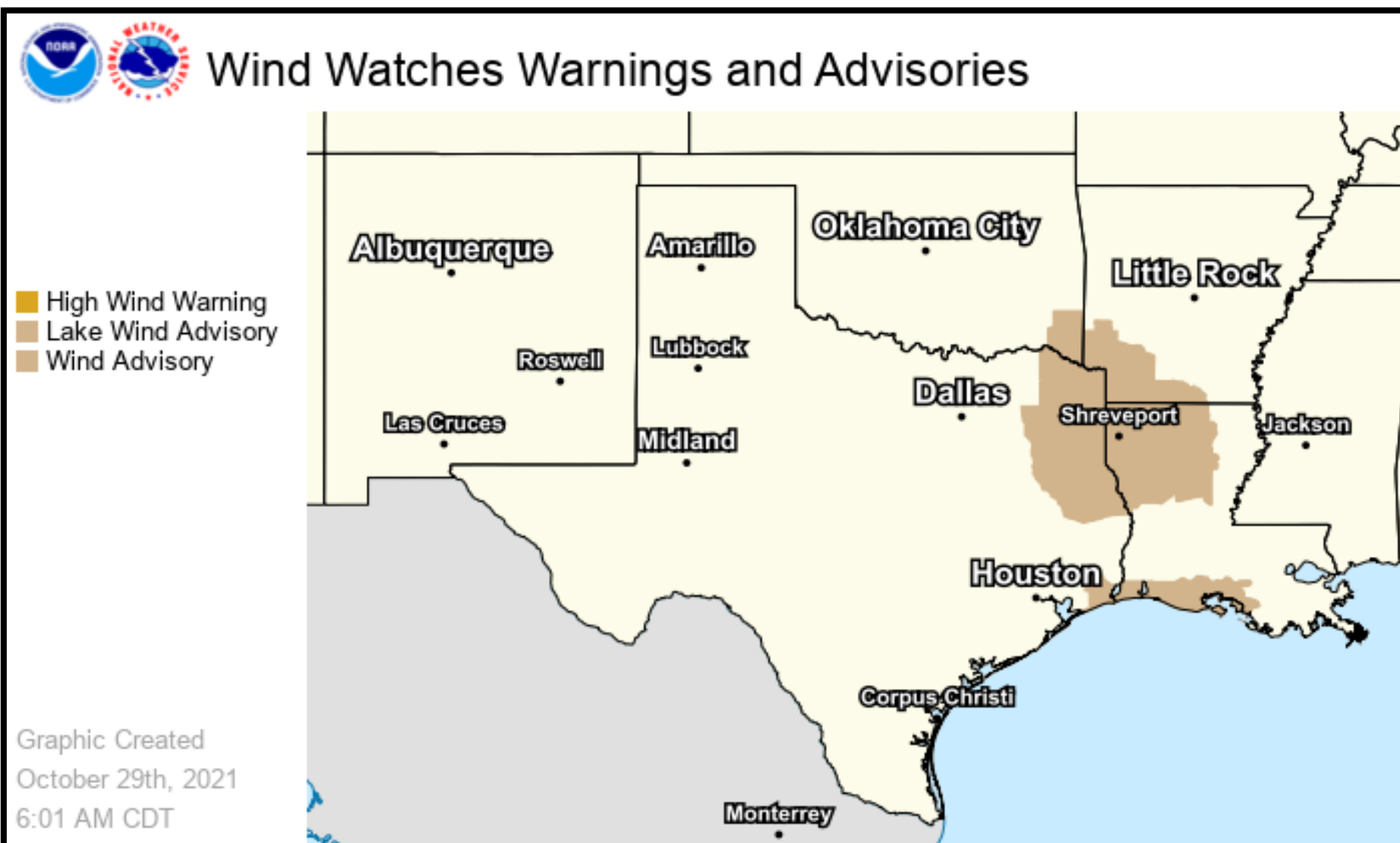


Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards



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**Lake Wind and Wind
Advisories in effect today
across parts of TX, OK, AR, and
LA.**

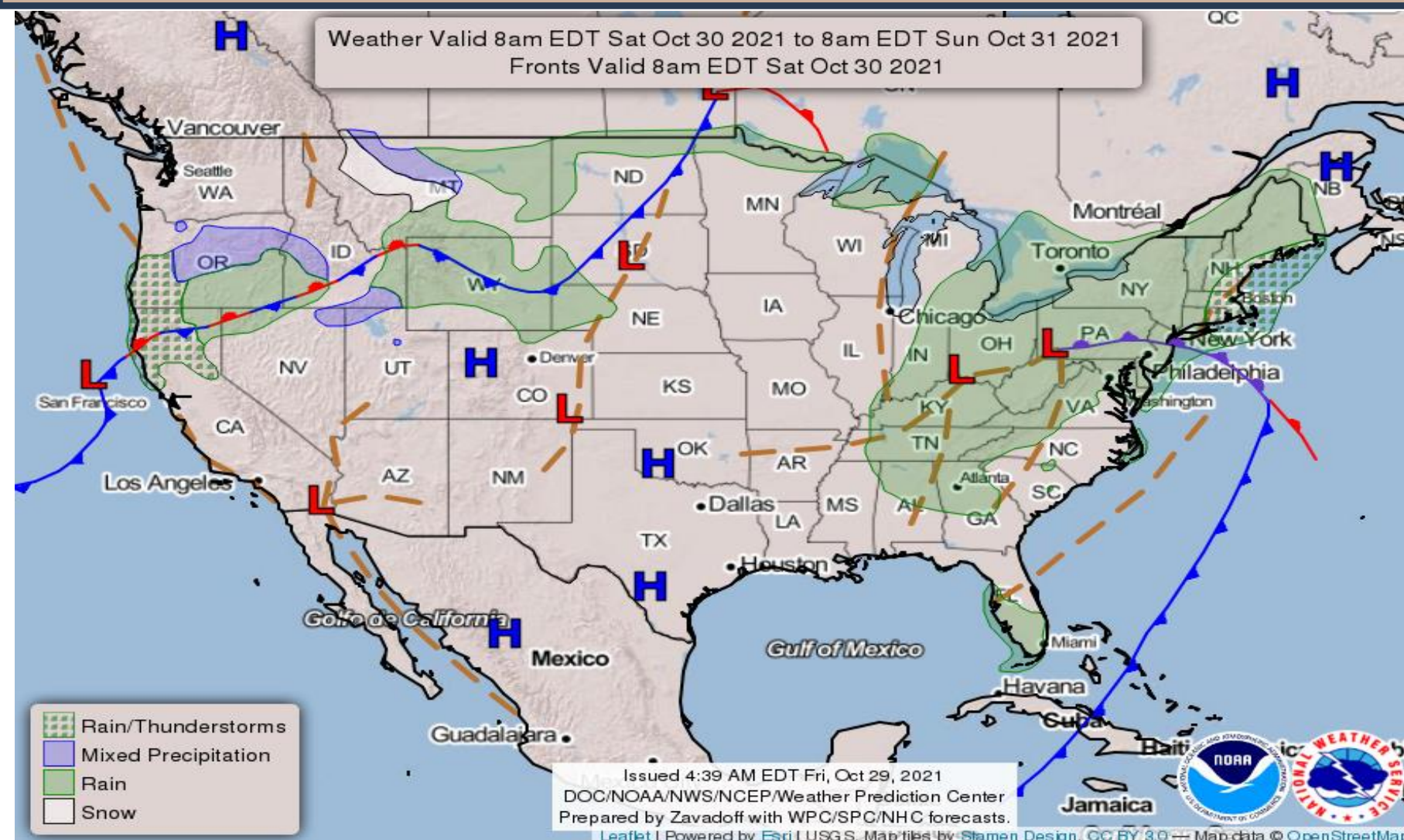


Tomorrow's Weather

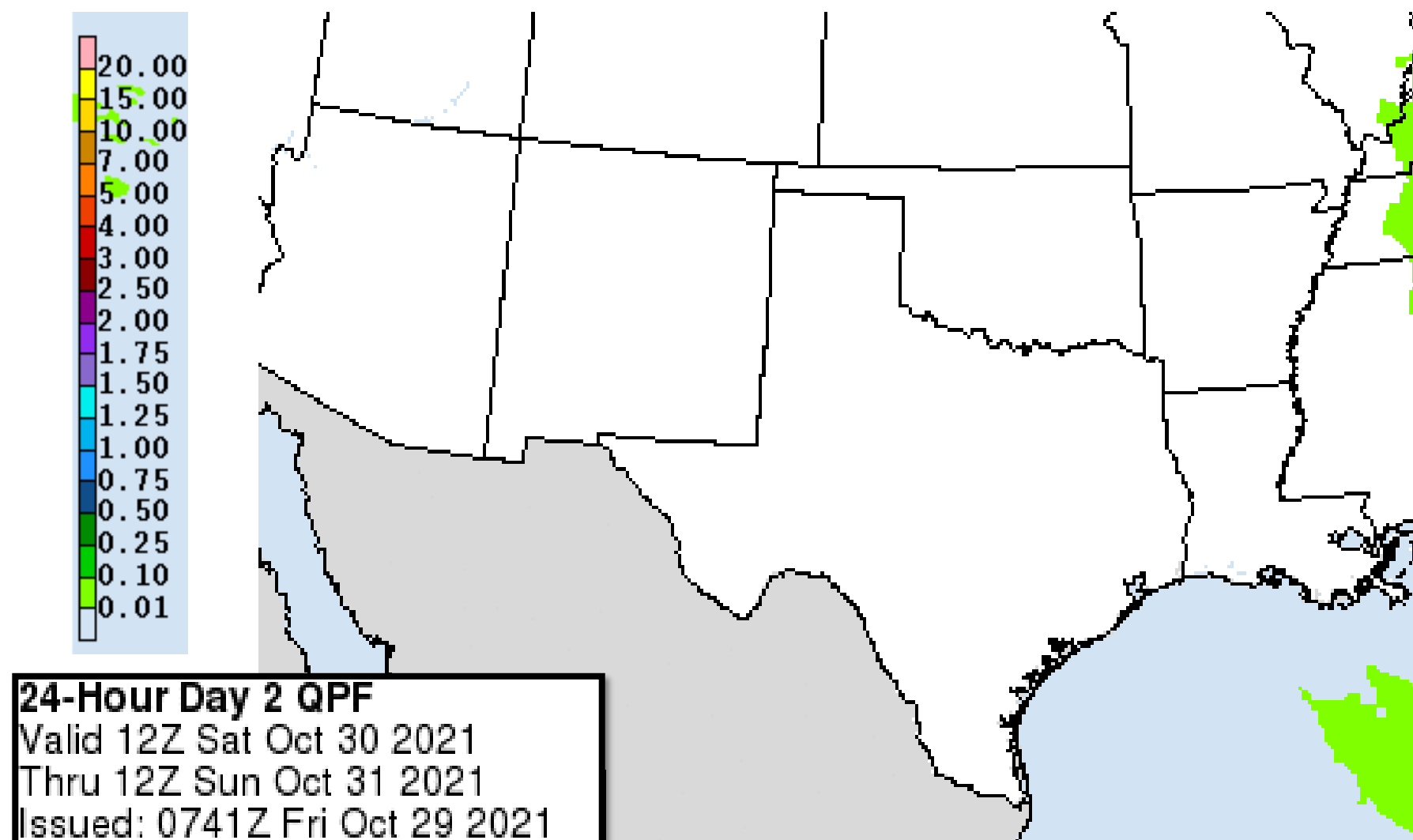


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Forecast Chart

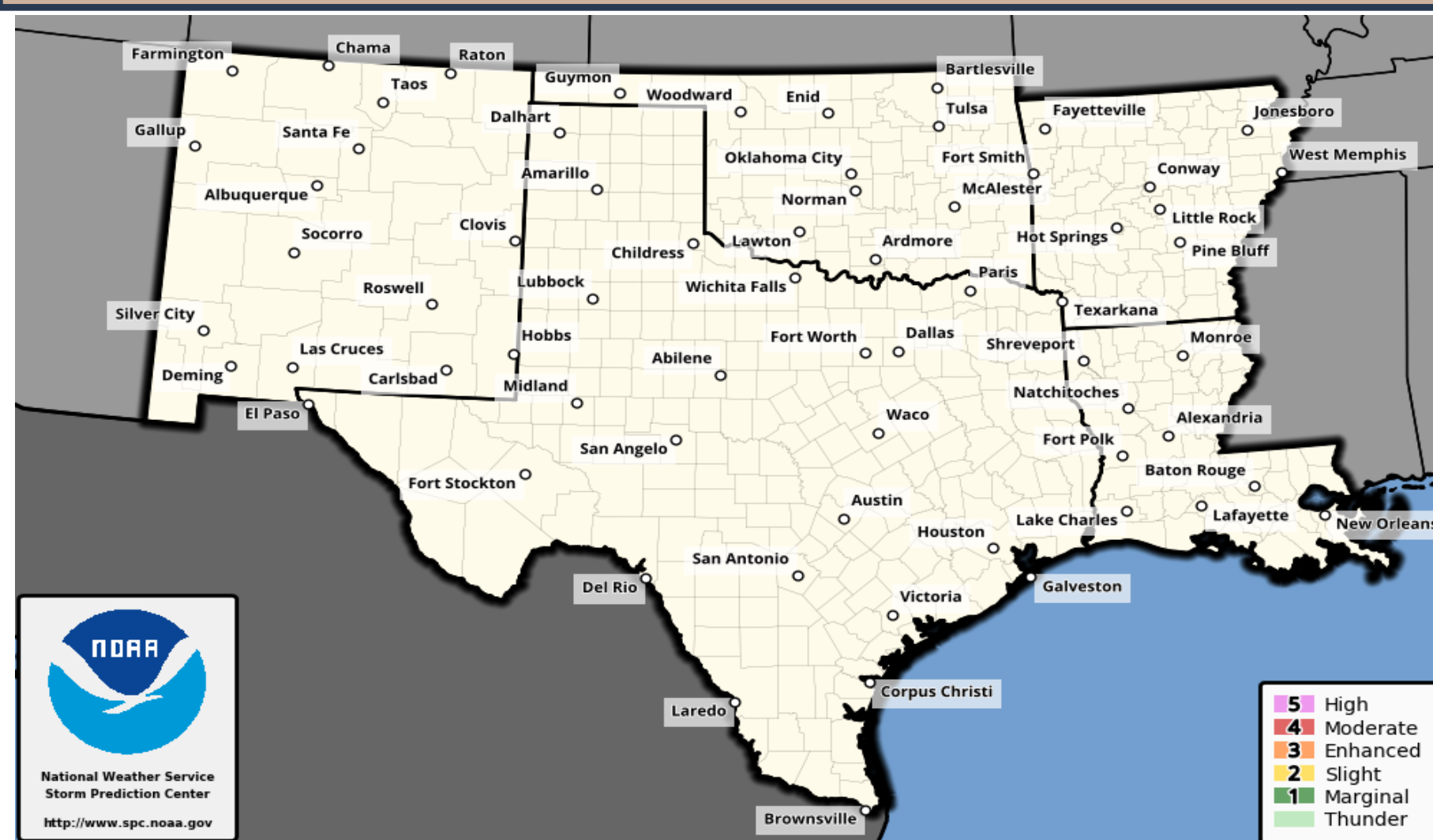


Forecast Rainfall

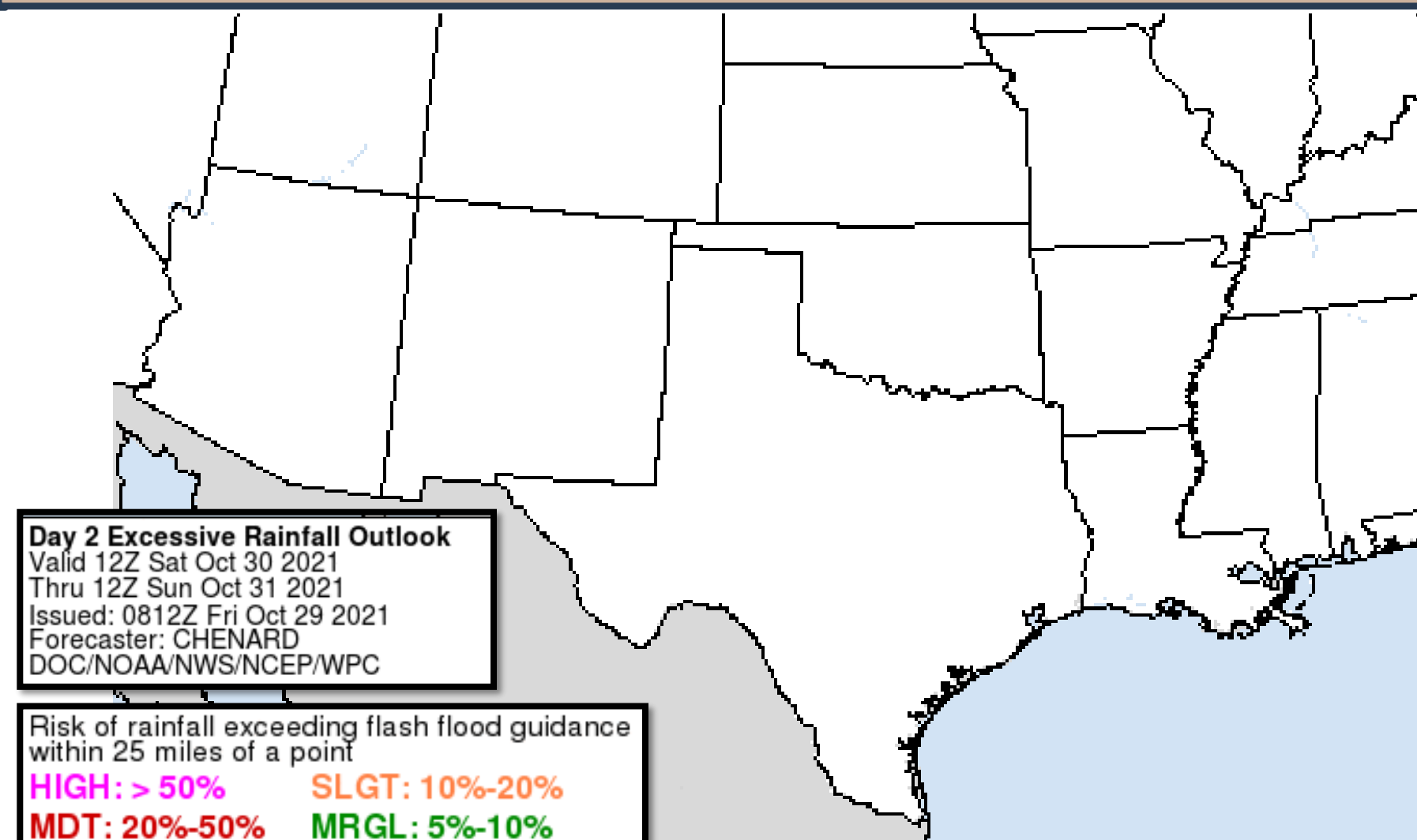


No significant weather
expected.

Severe Weather Outlook

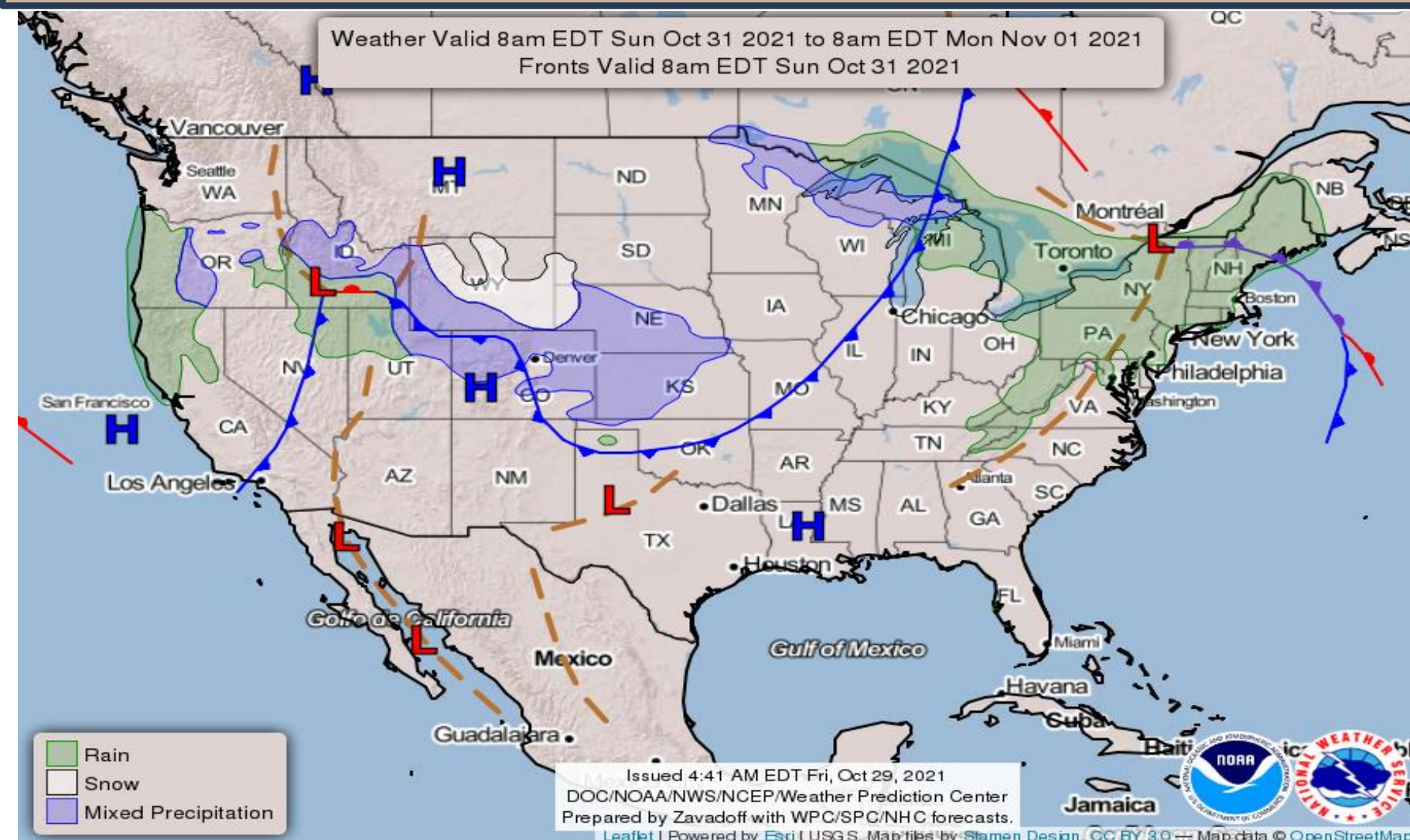


Excessive Rainfall Outlook

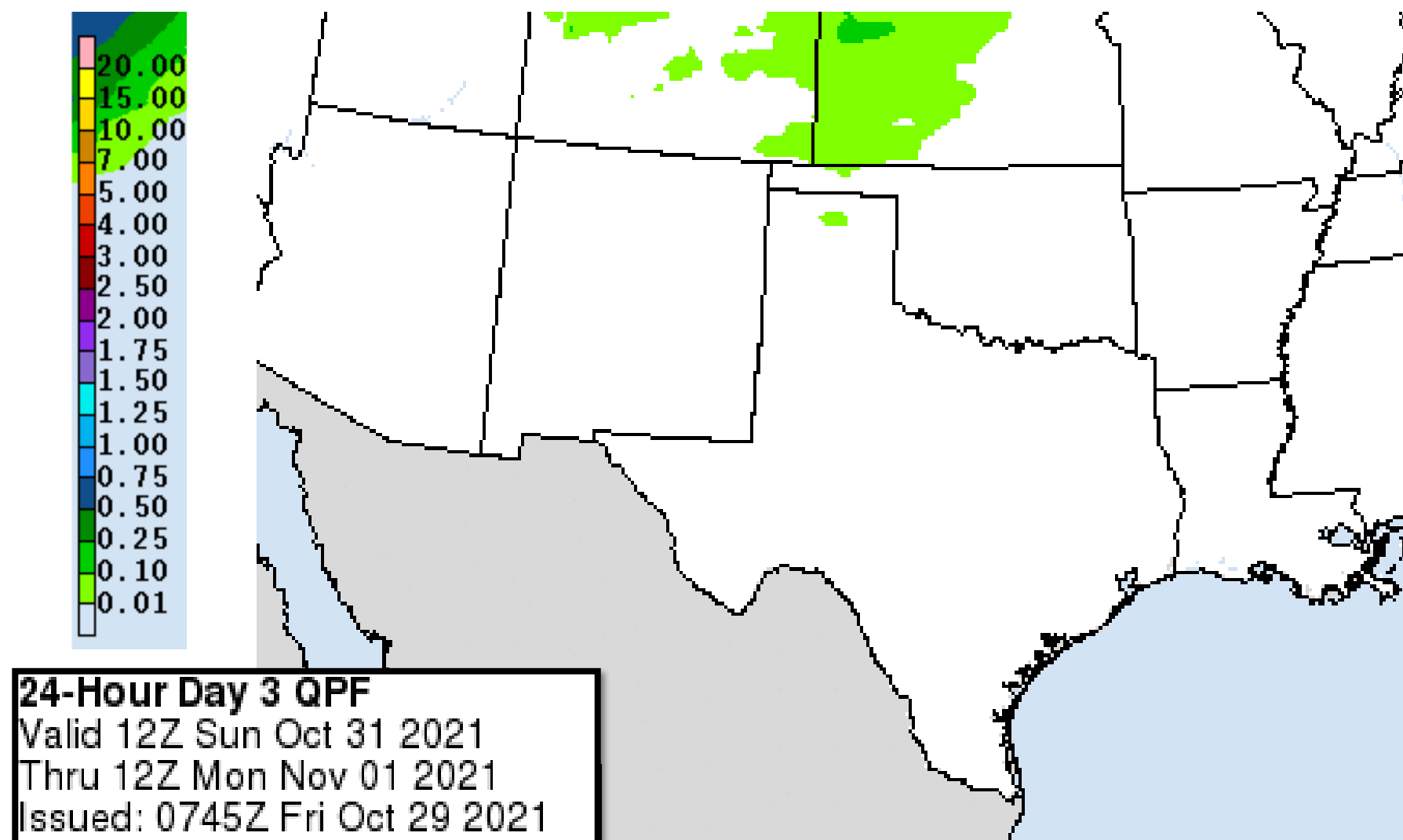


Sunday's Weather

Forecast Chart



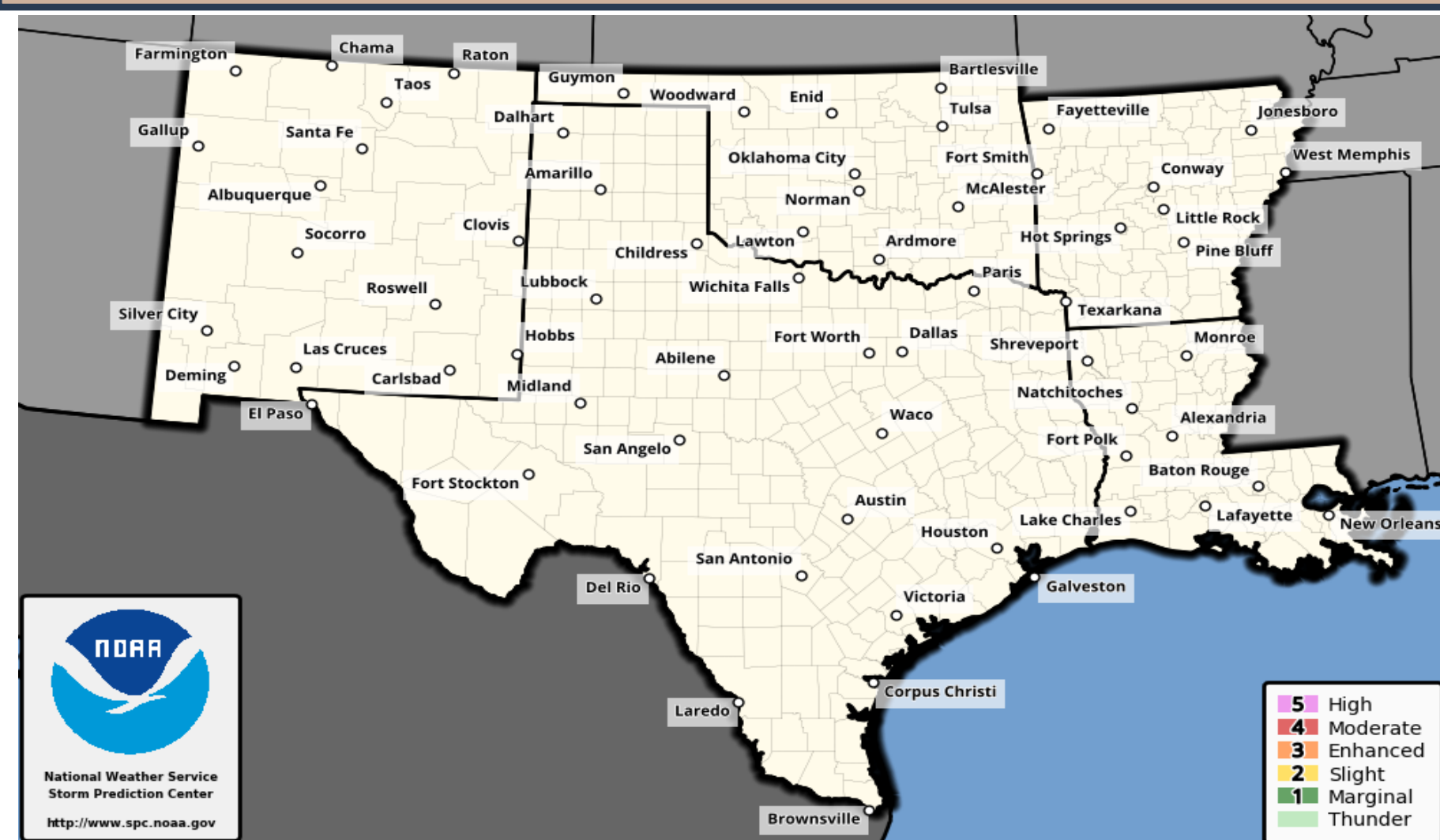
Forecast Rainfall



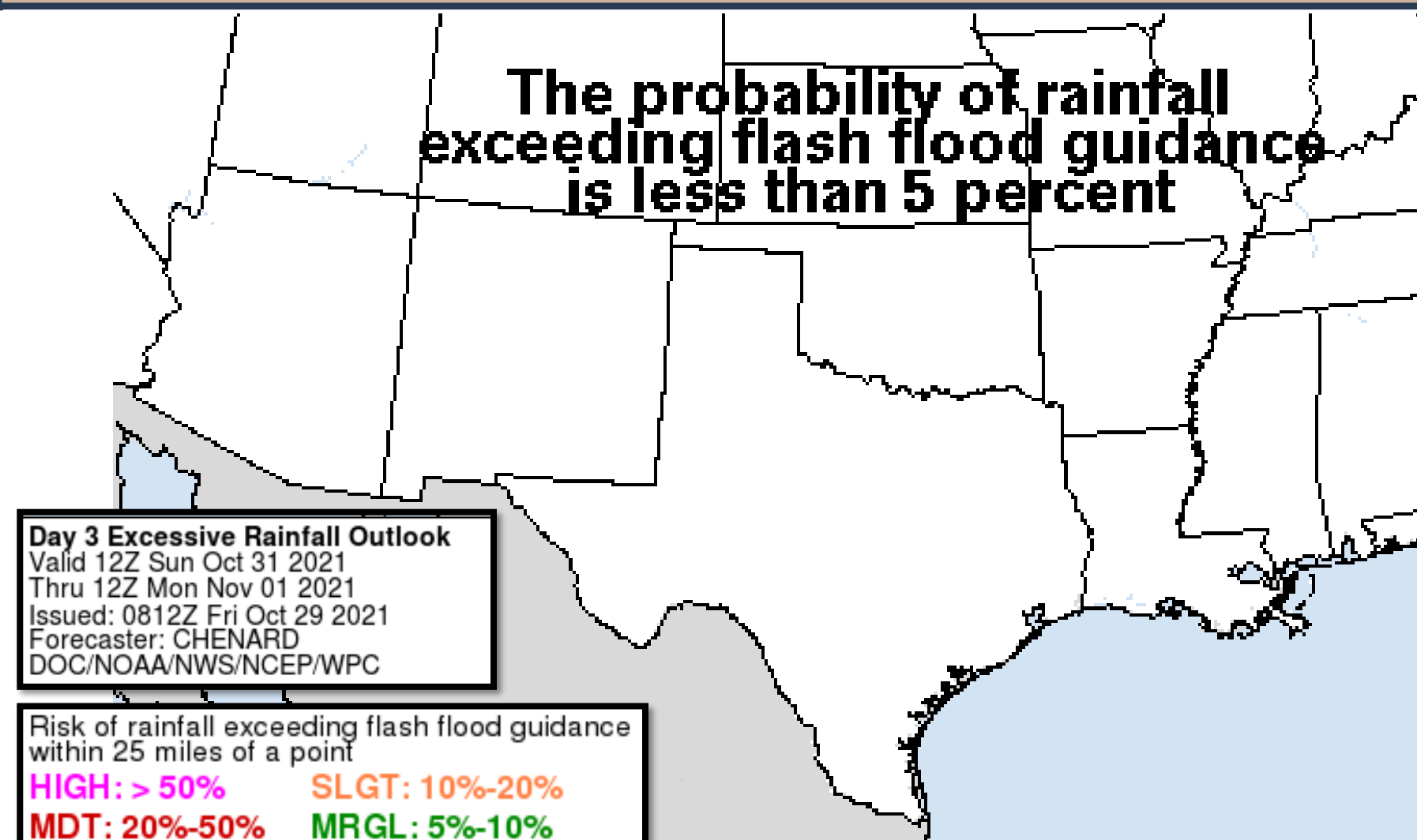
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No significant weather
expected.

Severe Weather Outlook



Excessive Rainfall Outlook



Days 4-5 Weather Hazards

Monday - Tuesday



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No significant weather expected.



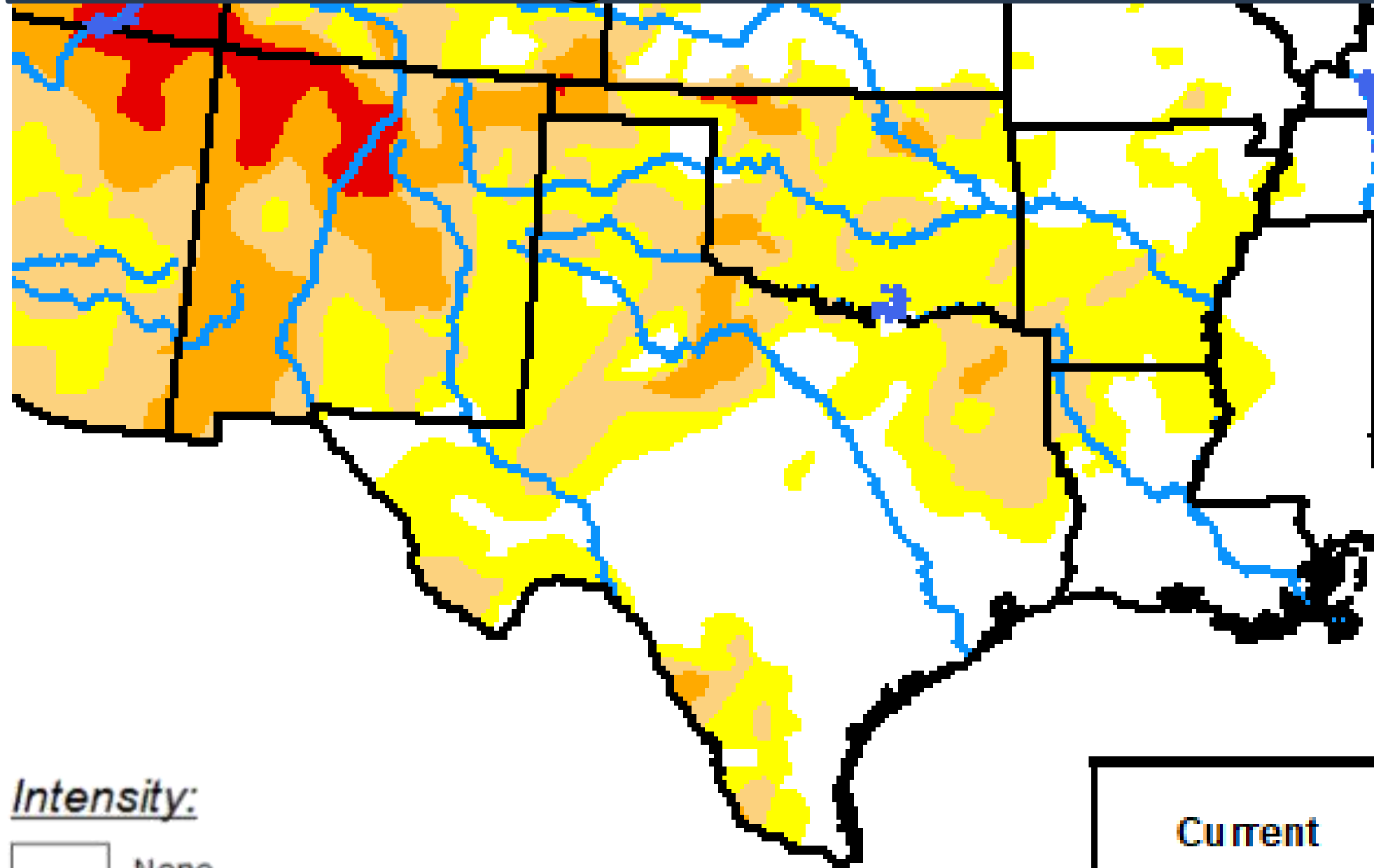
Drought Monitor (Released Oct 28, 2021)



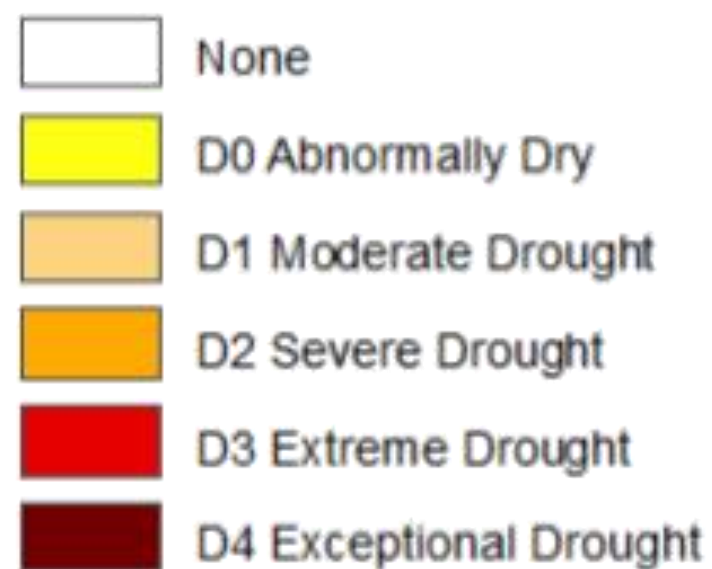
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Data valid as of 8 am ET on Tuesday, October 26, 2021

Drought Monitor

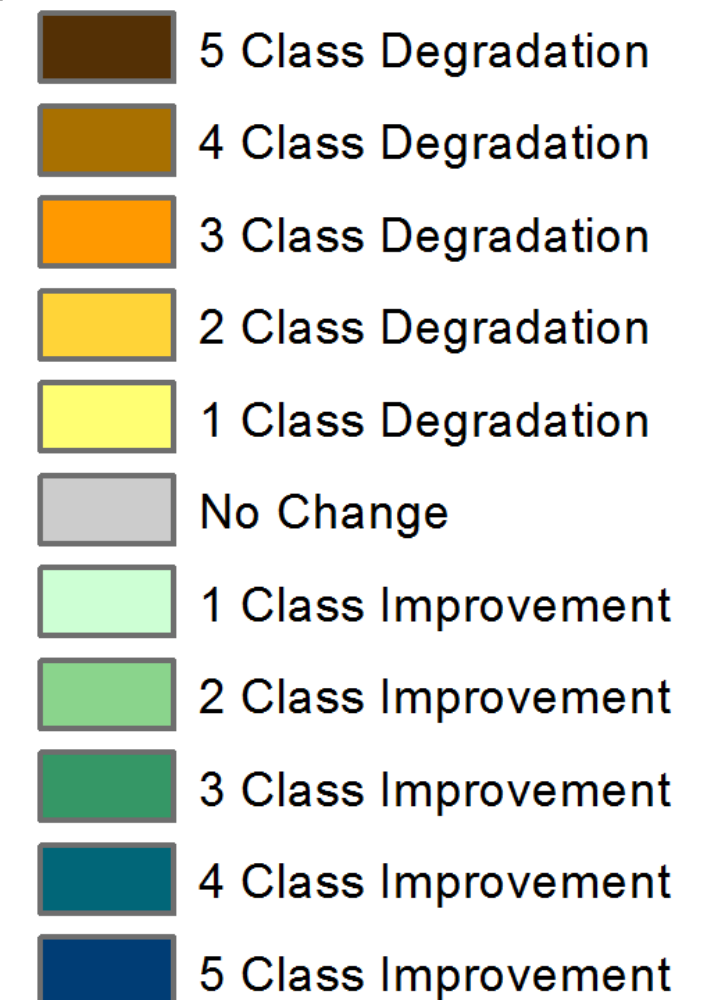
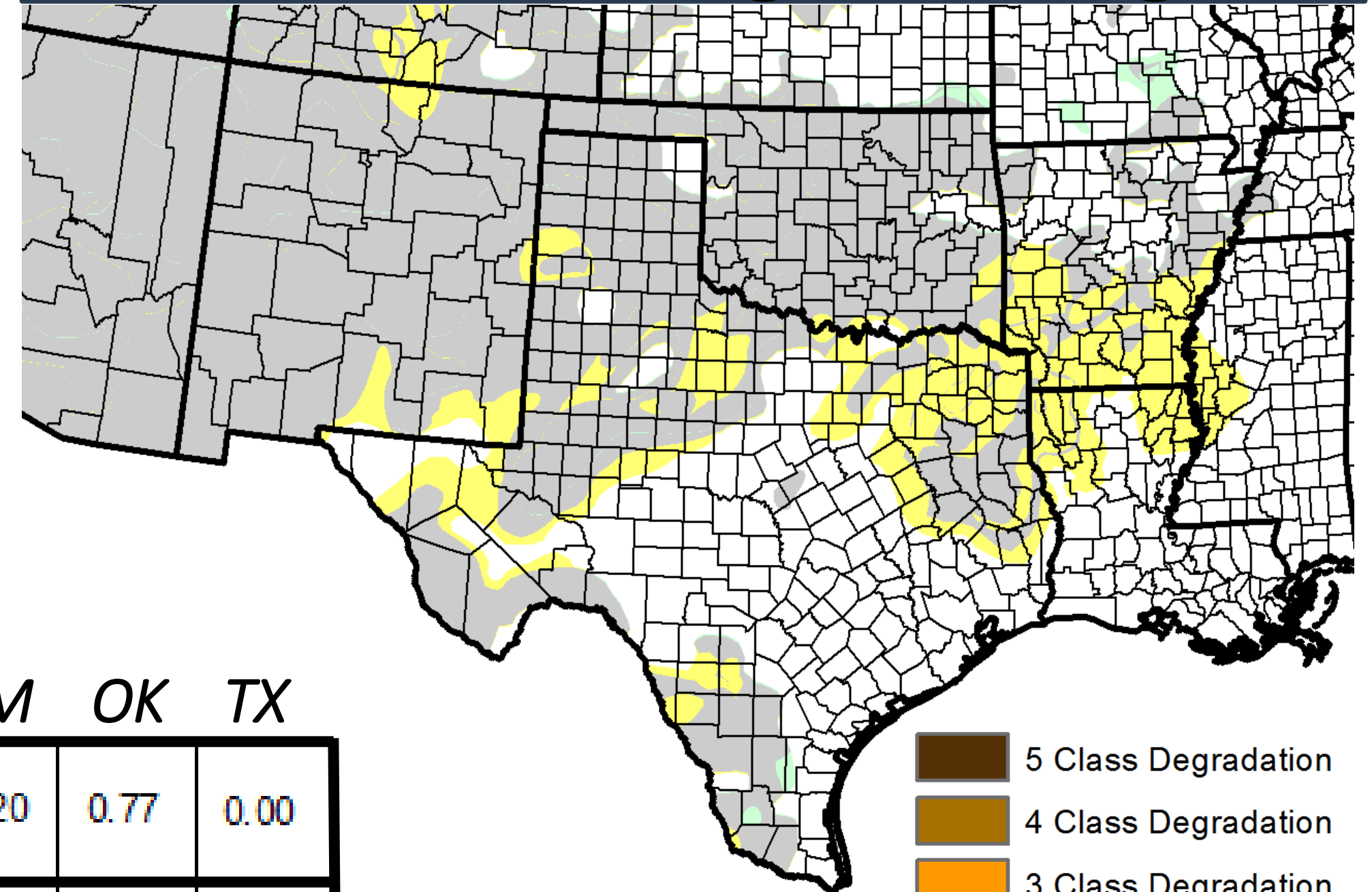


Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

One Week Change in Drought



	AR	LA	NM	OK	TX
Current	0.00	0.00	11.20	0.77	0.00
Last Week 10-19-2021	0.00	0.00	11.27	0.77	0.00
3 Months Ago 07-27-2021	0.00	0.00	37.22	0.00	0.00
One Year Ago 10-27-2020	0.00	0.00	67.12	3.61	14.42

Drought Conditions (Percent Area)

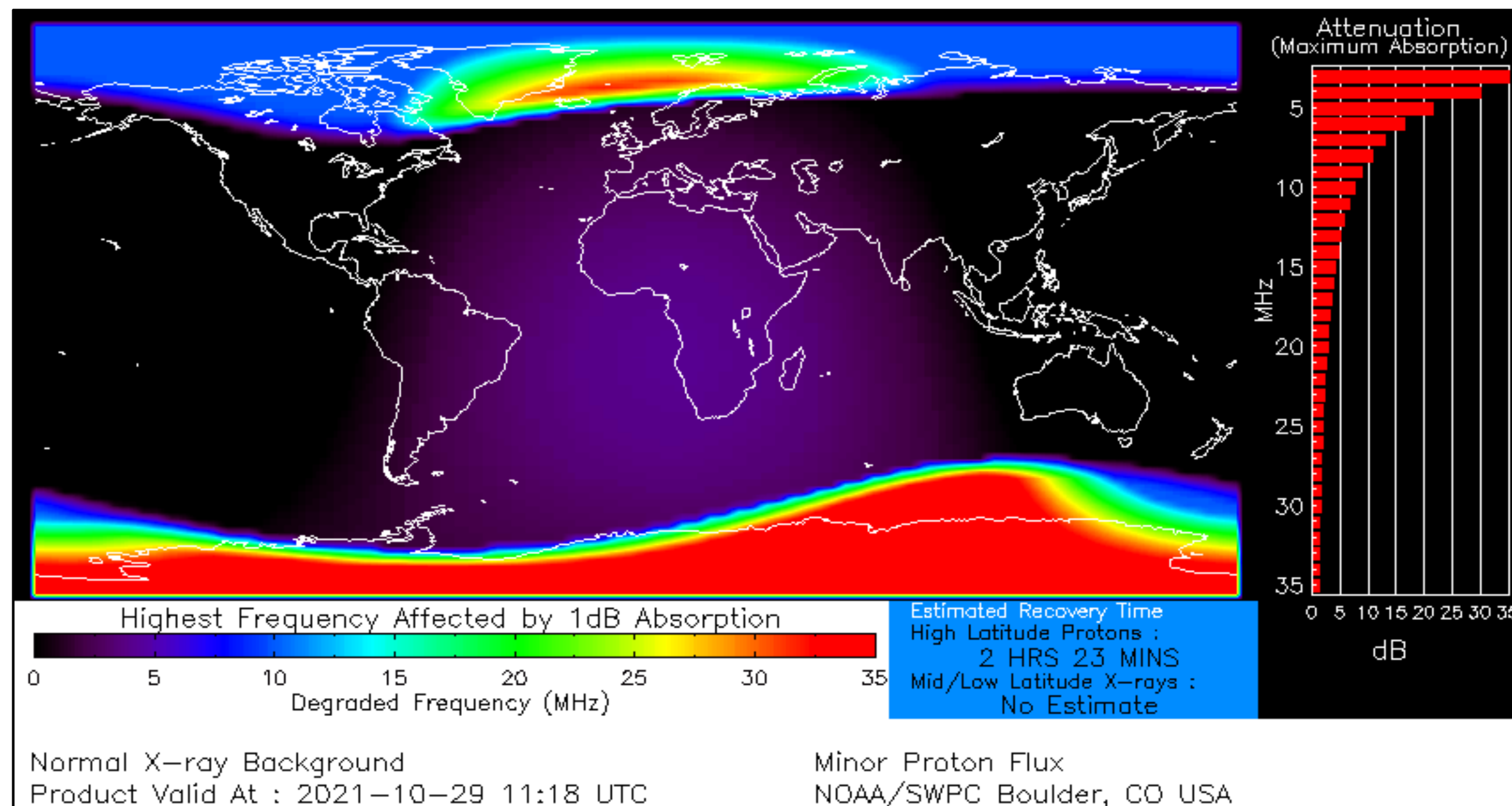
D3-D4 (Extreme to Exceptional Drought)

Space Weather 3-Day Forecast



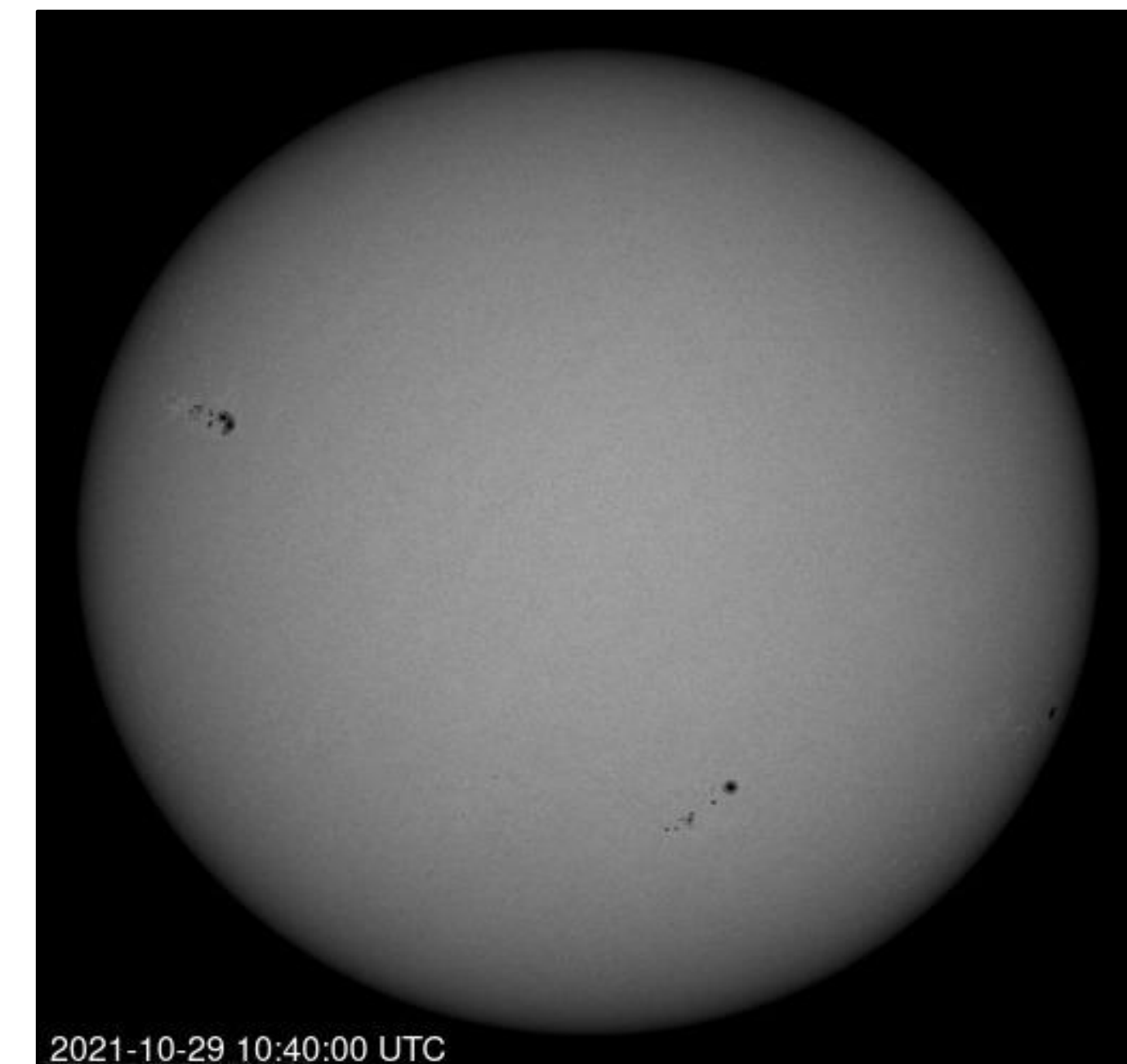
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	Friday	Saturday	Sunday
Geomagnetic Storms	Quiet (Max Kp = 2)	Strong (G3) Storm (Max Kp = 7)	Unsettled to Active (Max Kp = 4)
Solar Radiation Storm (S1-S5)	99%	90%	30%
Radio Blackout (R1-R2)	70%	70%	70%
Radio Blackout (R3-R5)	30%	30%	30%



[Click here for a
Description of the Space
Weather Storm Scales](#)

[Click here for the Latest
3-Day Space Weather
Forecast Text](#)



G3

PRIMARY AREA of IMPACTS

Poleward of 50 deg geomagnetic latitude

POSSIBLE EFFECTS

Power Systems: Voltage irregularities;
false alarms on some protection devices
Spacecraft: Surface charging; orientation
problems; increased drag on low-Earth
orbiters

Radio & Navigation: Intermittent HF
propagation fades. GNSS problems
(loss-of-lock and increased range errors)

Other: Aurora may be visible as low as
Pennsylvania to Iowa to Oregon

Geomagnetic Storm Watch for Oct 30



NOAA Kp index breakdown Oct 29-Oct 31 2021

	Oct 29	Oct 30	Oct 31
00-03UT	1	2	6 (G2)
03-06UT	0	3	6 (G2)
06-09UT	0	2	5 (G1)
09-12UT	1	2	5 (G1)
12-15UT	2	5 (G1)	4
15-18UT	1	6 (G2)	4
18-21UT	1	6 (G2)	3
21-00UT	1	7 (G3)	3



For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov